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EXE

Mod

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[illegible]


```
0001 0 %TITLE 'EDT$TILINE - read a command line'
0002 0 MODULE EDT$TILINE (
0003 0 IDENT = 'V04-000'
0004 0 ) =
0005 1 BEGIN
0006 1
0007 1 *****
0008 1 *
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0025 1 * SOFTWARE ON EQUIPMENT WHICH IS NOT SUPPLIED BY DIGITAL.
0026 1 *
0027 1 *
0028 1 *****
0029 1
0030 1
0031 1 ++
0032 1 FACILITY: EDT -- The DEC Standard Editor
0033 1
0034 1 ABSTRACT:
0035 1
0036 1 Read a command line.
0037 1
0038 1 ENVIRONMENT: Runs at any access mode - AST reentrant
0039 1
0040 1 AUTHOR: Bob Kushlis, CREATION DATE: June 9, 1979
0041 1
0042 1 MODIFIED BY:
0043 1
0044 1 1-001 - Original. DJS 18-FEB-1981. This module was created by
0045 1 extracting routine EDT$TI_RDCMDLN from module TINPUT.
0046 1 1-002 - Regularize headers. JBS 11-Mar-1981
0047 1 1-003 - Add return value for end of journal file. JBS 02-Oct-1981
0048 1 1-004 - Add an alternate terminator. SIS 21-Oct-1981
0049 1 1-005 - Fix parameter pass to/from char. translator. SMB 27-Oct-1981
0050 1 1-006 - Set a flag if control C actually aborted something. JBS 24-May-1982
0051 1 1-007 - Remove a reference to TI_STARTECHO. SMB 22-Jun-1982
0052 1 1-008 - Allow for 8-bit keyboards. JBS 17-Aug-1982
0053 1 1-009 - Add SS3 for 8-bit terminals. JBS 20-Aug-1982
0054 1 1-010 - Add a special test for 'Delete' as a terminator. SMB 23-Aug-1982
0055 1 1-011 - Don't write into a formal parameter. JBS 24-Aug-1982
0056 1 1-012 - Fix a bug in edit 1-011. JBS 25-Aug-1982
0057 1 1-013 - Don't modify EDT$G_PRV_COL; it is being maintained. JBS 05-Oct-1982
```

EDT\$TILINE
V04-000

EDT\$TILINE - read a command line

G 10
16-Sep-1984 01:56:06
14-Sep-1984 12:24:55

VAX-11 Bliss-32 V4.0-742
DISK\$VMSMASTER:[EDT.SRC]TILINE.BLI;1 Page 2 (1)

: 58
: 59
: 60

0058 1 ! 1-014 - Add a conditional for VT220 support. JBS 11-Feb-1983
0059 1 !--
0060 1

EDT\$TILINE
V04-000

EDT\$TILINE - read a command line
Declarations

H 10
16-Sep-1984 01:56:06
14-Sep-1984 12:24:55

VAX-11 Bliss-32 V4.0-742
DISK\$VMSMASTER:[EDT.SRC]TILINE.BLI;1 Page 3
(2)

```
: 62      0061 1 %SBTTL 'Declarations'
: 63      0062 1
: 64      0063 1 | TABLE OF CONTENTS:
: 65      0064 1 |
: 66      0065 1 |
: 67      0066 1 REQUIRE 'EDTSRC:TRAROUNAM';
: 68      0505 1
: 69      0506 1 FORWARD ROUTINE
: 70      0507 1     EDT$STI_RDCMDLN;
: 71      0508 1
: 72      0509 1 |
: 73      0510 1 | INCLUDE FILES:
: 74      0511 1 |
: 75      0512 1 |
: 76      0513 1 REQUIRE 'EDTSRC:EDTREQ';
: 77      0648 1
: 78      0649 1 LIBRARY 'EDTSRC:SUPPORTS';
: 79      0650 1
: 80      0651 1 |
: 81      0652 1 | MACROS:
: 82      0653 1 |
: 83      0654 1 |     NONE
: 84      0655 1 |
: 85      0656 1 | EQUATED SYMBOLS:
: 86      0657 1 |
: 87      0658 1 |     NONE
: 88      0659 1 |
: 89      0660 1 | OWN STORAGE:
: 90      0661 1 |
: 91      0662 1 |     NONE
: 92      0663 1 |
: 93      0664 1 | EXTERNAL REFERENCES:
: 94      0665 1 |
: 95      0666 1 |     In the routine
```



```

: 97 0667 1 %SBTTL 'EDT$STI_RDCMDLN - read a command line'
: 98 0668 1
: 99 0669 1 GLOBAL ROUTINE EDT$STI_RDCMDLN (
: 100 0670 1 C,
: 101 0671 1 COM_BUF,
: 102 0672 1 END_COM,
: 103 0673 1 TERM,
: 104 0674 1 RES_TERM
: 105 0675 1 ) =
: 106 0676 1
: 107 0677 1 ++
: 108 0678 1 FUNCTIONAL DESCRIPTION:
: 109 0679 1
: 110 0680 1 Read characters up to a terminator into the command buffer. The
: 111 0681 1 characters are echoed as they are read. Delete is handled and
: 112 0682 1 CTRL/U aborts the operation.
: 113 0683 1
: 114 0684 1 FORMAL PARAMETERS:
: 115 0685 1
: 116 0686 1 C The first character to be handled (it was read previously)
: 117 0687 1
: 118 0688 1 COM_BUF Pointer into the command buffer where the characters should
: 119 0689 1 be placed.
: 120 0690 1
: 121 0691 1 END_COM A character pointer to receive the pointer after the characters
: 122 0692 1 have been read.
: 123 0693 1
: 124 0694 1 TERM A special terminator. (Escape, CSI and SS3 are always terminators.)
: 125 0695 1
: 126 0696 1 RES_TERM The actual terminator.
: 127 0697 1
: 128 0698 1 IMPLICIT INPUTS:
: 129 0699 1
: 130 0700 1 EDT$ST_CMD_BUF
: 131 0701 1 EDT$SG_TIN_ECHOPOS
: 132 0702 1
: 133 0703 1 IMPLICIT OUTPUTS:
: 134 0704 1
: 135 0705 1 EDT$SG_TIN_ECHOFLG
: 136 0706 1 EDT$SG_CC_DONE
: 137 0707 1
: 138 0708 1 ROUTINE VALUE:
: 139 0709 1
: 140 0710 1 1 = the string was read,
: 141 0711 1 0 = aborted by CTRL/U or CTRL/C
: 142 0712 1 2 = end of journal file
: 143 0713 1
: 144 0714 1 SIDE EFFECTS:
: 145 0715 1
: 146 0716 1 NONE
: 147 0717 1
: 148 0718 1 --
: 149 0719 1
: 150 0720 2 BEGIN
: 151 0721 2
: 152 0722 2 EXTERNAL ROUTINE
: 153 0723 2 EDT$SERA_MSGLN,
```

```
154 0724 2 EDT$CHK_CC,  
155 0725 2 EDT$STRN_KPADK,  
156 0726 2 EDT$STI_INPCH,  
157 0727 2 EDT$STI_DELK : NOVALUE,  
158 0728 2 EDT$STI_ECHOCH : NOVALUE;  
159 0729 2  
160 0730 2 EXTERNAL  
161 0731 2 EDT$ST_CMD_BUF, ! Command line buffer  
162 0732 2 EDT$SG_TIN_ECHOFLG, ! Flag indicating character have been echoed  
163 0733 2 EDT$SG_TIN_ECHOPOS, ! Position on the echo line  
164 0734 2 EDT$SG_CC_DONE; ! Set to 1 if control C actually aborts something  
165 0735 2  
166 0736 2 LOCAL  
167 0737 2 COM_POINT,  
168 0738 2 CH : BYTE,  
169 0739 2 KEY;  
170 0740 2  
171 0741 2 COM_POINT = .COM_BUF;  
172 0742 2 !+  
173 0743 2 ! Use C as the first character.  
174 0744 2 !-  
175 0745 2 CH = .C;  
176 0746 2 !+  
177 0747 2 ! If the terminator can be any character, then return immediately  
178 0748 2 ! upon seeing the delete character.  
179 0749 2 !-  
180 0750 2  
181 0751 2 IF (.TERM EQL ASC_K_DEL) THEN RETURN (1);  
182 0752 2  
183 0753 2 WHILE 1 DO  
184 0754 2 BEGIN  
185 0755 2  
186 0756 2 SELECTONE .CH OF  
187 0757 2 SET  
188 0758 2  
189 0759 2 [ASC_K_DEL] :  
190 0760 2 !+  
191 0761 2 ! Delete character, delete the previous character if there is one.  
192 0762 2 !-  
193 0763 2  
194 0764 2 IF (.COM_POINT NEQ .COM_BUF)  
195 0765 2 THEN  
196 0766 2 BEGIN  
197 0767 2 COM_POINT = CH$PLUS (.COM_POINT, -1);  
198 0768 2 EDT$STI_DELK (CH$RCHAR (.COM_POINT));  
199 0769 2 END;  
200 0770 2  
201 0771 2 [ASC_K_ESC  
202 0772 2  
203 L 0773 2 %IF SUPPORT_VT220  
204 0774 2 %THEN  
205 0775 2 , ASC_K_CSI, ASC_K_SS3  
206 0776 2 %FI  
207 0777 2  
208 0778 2 ] :  
209 0779 2 !+  
210 0780 2 ! Escape, CSI or SS3, terminate the read and gobble up the rest of the escape
```

```
211 0781 3 | or control sequence.
212 0782 3 | -
213 0783 4 BEGIN
214 0784 4
215 0785 4 IF (EDT$STRN_KPADK (KEY) EQL 0) THEN RETURN (2);
216 0786 4
217 0787 4 .RES TERM = .KEY;
218 0788 4 EXIT[COOP;
219 0789 4 END;
220 0790 3
221 0791 3 [.TERM] :
222 0792 3 | +
223 0793 3 | The special terminator, end the read.
224 0794 3 | -
225 0795 4 BEGIN
226 0796 4 .RES TERM = .TERM;
227 0797 4 EXIT[COOP;
228 0798 4 END;
229 0799 3
230 0800 3 [ASC_K_CTRL_U] :
231 0801 3 | +
232 0802 3 | Abort the read operation, erasing the echo line.
233 0803 3 | -
234 0804 4 BEGIN
235 0805 4 EDT$G TIN_ECHOFLG = 1;
236 0806 4 .END COM = .COM_BUF;
237 0807 4 EDT$ERA_MSGLN ( );
238 0808 4 RETURN (0);
239 0809 4 END;
240 0810 3
241 0811 3 [OTHERWISE] :
242 0812 3 | +
243 0813 3 | Place the character in the buffer.
244 0814 3 | -
245 0815 4
246 0816 4 IF CH$PTR_NEQ (.COM_POINT, CH$PLUS (EDT$ST_CMD_BUF, 256))
247 0817 4 THEN
248 0818 4 BEGIN
249 0819 4 CH$WCHAR A (.CH, COM_POINT);
250 0820 4 EDT$STI_ECHOCH (.CH);
251 0821 4 END;
252 0822 3
253 0823 3 TES;
254 0824 3
255 0825 3 | +
256 0826 3 | Check for a control C as abort the read.
257 0827 3 | -
258 0828 4
259 0829 4 IF EDT$CHK_CC ( )
260 0830 4 THEN
261 0831 4 BEGIN
262 0832 4 .END COM = .COM_BUF;
263 0833 4 EDT$G_CC_DONE = 1;
264 0834 4 RETURN (0);
265 0835 4 END;
266 0836 3
267 0837 3 IF (EDT$STI_INPCH (CH) EQL 0) THEN RETURN (2);
```


EDT\$TILINE
V04-000

EDT\$TILINE - read a command line
EDT\$STI_RDCMDLN - read a command line

L 10
16-Sep-1984 01:56:06
14-Sep-1984 12:24:55

VAX-11 Bliss-32 V4.0-742
DISK\$VMSMASTER:[EDT.SRC]TILINE.BLI;1 Page 7
(3)

```
: 268      0838 3
: 269      0839 2      END;
: 270      0840 2
: 271      0841 2      !+
: 272      0842 2      !- Return a pointer one character beyond the last one read.
: 273      0843 2
: 274      0844 2      .END COM = .COM_POINT;
: 275      0845 2      RETURN (1);
: 276      0846 1      END;
```

! of routine EDT\$STI_RDCMDLN

			000C 00000	.TITLE EDT\$TILINE EDT\$TILINE - read a command line	
				.IDENT \V04-000\	
				.EXTRN EDT\$SERA_MSGLN, EDT\$SCHK_CC	
				.EXTRN EDT\$STRN_KPADK, EDT\$STI_INPCH	
				.EXTRN EDT\$STI_DELK, EDT\$STI_ECHOCH	
				.EXTRN EDT\$ST_CMD_BUF, EDT\$G_TIN_ECHOFLG	
				.EXTRN EDT\$G_TIN_ECHOPOS	
				.EXTRN EDT\$G_CC_DONE	
				.PSECT _EDT\$CODE, NOWRT, SHR, PIC, 2	
				.ENTRY EDT\$STI_RDCMDLN, Save R2, R3	: 0669
				SUBL2 #8, SP	
				MOVL COM_BUF, COM_POINT	: 0741
				MOVB C, CH	: 0745
				CMPL TERM, #127	: 0751
				BNEQ 1\$	
				BRW 11\$	
				MOVZBL CH, R2	: 0756
				CMPB R2, #127	: 0759
				BNEQ 2\$	
				CMPL COM_POINT, COM_BUF	: 0764
				BEQL 7\$	
				MOVZBL -(COM_POINT), -(SP)	: 0768
				CALLS #1, EDT\$STI_DELK	
				BRB 7\$: 0764
				CMPB R2, #27	: 0771
				BEQL 3\$	
				CMPB R2, #143	
				BEQL 3\$	
				CMPB R2, #155	
				BNEQ 4\$	
				PUSHL SP	: 0785
				CALLS #1, EDT\$STRN_KPADK	
				TSTL R0	
				BEQL 9\$	
				MOVL KEY, @RES_TERM	: 0787
				BRB 10\$: 0783
				CMPL R2, TERM	: 0791
				BNEQ 5\$	
				MOVL TERM, @RES_TERM	: 0796
				BRB 10\$: 0795
				CMPB R2, #21	: 0800
				BNEQ 6\$	
				MOVL #1, EDT\$G_TIN_ECHOFLG	: 0805

EDT\$TILINE
V04-000

EDT\$TILINE - read a command line
EDT\$STI_RDCMDLN - read a command line

M 10
16-Sep-1984 01:56:06
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VAX-11 Bliss-32 V4.0-742
DISK\$VMSMASTER:[EDT.SRC]TILINE.BLI;1 Page 8
(3)

0C	BC	08	AC	D0	00074	MOVL	COM_BUF, @END_COM	:	0806
00000000G	00		00	FB	00079	CALLS	#0, EDT\$SERA_MSGLN	:	0807
			4D	11	00080	BRB	12\$:	0808
	50	00000000G	00	9E	00082	MOVAB	EDT\$ST_CMD_BUF+256, R0	:	0816
	50		53	D1	00089	CMPL	COM_POINT, R0	:	
			0C	13	0008C	BEQL	7\$:	
	83		52	90	0008E	MOVB	R2, (COM_POINT)+	:	0819
			52	DD	00091	PUSHL	R2	:	0820
00000000G	00		01	FB	00093	CALLS	#1, EDT\$STI_ECHOCH	:	
00000000G	00		00	FB	0009A	CALLS	#0, EDT\$SCHR_CC	:	0829
	0E		50	E9	000A1	BLBC	R0, 8\$:	
0C	BC	08	AC	D0	000A4	MOVL	COM_BUF, @END_COM	:	0832
00000000G	00		01	D0	000A9	MOVL	#1, EDT\$SG_CC_DONE	:	0833
			1D	11	000B0	BRB	12\$:	0834
		04	AE	9F	000B2	PUSHAB	CH	:	0837
00000000G	00		01	FB	000B5	CALLS	#1, EDT\$STI_INPCH	:	
			50	D5	000BC	TSTL	R0	:	
			03	13	000BE	BEQL	9\$:	
			FF58	31	000C0	BRW	1\$:	
	50		02	D0	000C3	MOVL	#2, R0	:	
			04	000C6	RET			:	
0C	BC		53	D0	000C7	MOVL	COM_POINT, @END_COM	:	0844
	50		01	D0	000CB	MOVL	#1, R0	:	0845
			04	000CE	RET			:	
			50	D4	000CF	CLRL	R0	:	0846
			04	000D1	RET			:	

; Routine Size: 210 bytes, Routine Base: _EDT\$CODE + 0000

; 277 0847 1
; 278 0848 1 !<BLF/PAGE>

EDT\$TILINE
V04-000

EDT\$TILINE - read a command line
EDT\$STI_RDCMDLN - read a command line

N 10
16-Sep-1984 01:56:06
14-Sep-1984 12:24:55

VAX-11 Bliss-32 V4.0-742
DISK\$VMSMASTER:[EDT.SRC]TILINE.BLI;1 Page 9
(4)

: 280 0849 1 END
: 281 0850 1
: 282 0851 0 ELUDOM

! of module EDT\$TILINE

PSECT SUMMARY

: Name Bytes Attributes
: _EDT\$CODE 210 NOVEC,NOWRT, RD , EXE, SHR, LCL, REL, CON, PIC,ALIGN(2)

Library Statistics

File	----- Total	Symbols Loaded	----- Percent	Pages Mapped	Processing Time
-\$255\$DUA28:[EDT.SRC]EDT.L32;1	377	6	1	40	00:00.3
-\$255\$DUA28:[EDT.SRC]PSECTS.L32;1	2	1	50	7	00:00.1
-\$255\$DUA28:[EDT.SRC]SUPPORTS.L32;1	2	1	50	5	00:00.1

COMMAND QUALIFIERS

: BLISS/CHECK=(FIELD,INITIAL,OPTIMIZE)/NOTRACEBACK/LIS=LIS\$:TILINE/OBJ=OBJ\$:TILINE MSRC\$:TILINE.BLI/UPDATE=(ENH\$:TILINE)

: Size: 210 code + 0 data bytes
: Run Time: 00:14.9
: Elapsed Time: 00:18.2
: Lines/CPU Min: 3438
: Lexemes/CPU-Min: 9357
: Memory Used: 94 pages
: Compilation Complete

0140

AH-BT13A-SE
VAX/VMS V4.0

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